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404033

Sediment site plans:

1. Subsite Invest.

- a - subsite conditions of phosphate/uniprime bldg.
- b - char. geol. + hydrogeol. (~~contaminants~~^{any}?)
- c - determine whether contaminants present in areas to be demolished, excavated, built upon, cleared for later devel.
- d - all storage tanks, substations + historic PCB transformer placements

2. Ph I - Phosphat + HG Logic Invest.

- a - preliminary HG invest. of project area
 - 1) magnetic or magnetometer survey
 - 2) series of borings - 3-5' into clays - ~20 logged | samples - permeability + soil char - placed to give info. on subsite water gradients
 - gw sampling → 1 sample for priority pollutant list
 - HC/petro. products
 - EP tox metals + gyc

why 1 GW
or 1 GW
sample? - which one?
sample? - includes
CLP not included
HC + metal?
what EP tox?

- from each boring - near sfc. mat'l + 1 GW sampler, + 1 clay

chlorinated soln.

TOC

volatiles

p.p. not nickel
+ zinc

glycols

EP tox metal
+ zinc

petro. products

HC

PCB

plastics

? → not
what not → not
full CLP PP not

(2)

- min DL : to be negotiated

water 10-50 ppb

soil 1-10 ppm

? → base on

should base on
intended data
usage - why standards
criteria / standards
to be compared to

3. Ph. II - HG & Project Area Contaminant Investigations

- based on Ph. I, HG of remainder of project area to be made - after proj approval

- note: some invest. may be hand dug pit rather than coring

which, →
or if required
would be done?
all be done?
to maintain units
consistency results
methods + results

- storm sewer sampling: up + down stream of plant
- for parameters described above

incg HC/petro.

which parameters

5. HWMP

? - toxic + haz subst as defined by CERCLA
(TSCA, RCRA, CWA)

- mitigation plan:

what if encounter
old dump, old treated
sites, etc.
what if initial
potential contam problem

- a. topsoils contam. → depth + extent, invest. should be
- b. GW w/ 3m radius
- c. various cost effective mitigation + remedial actions to be listed

(3)

→ choose
have done
actions now
decide on one

d. mitigation + cleanup plan prepared

HWM P for demo + disp summarized:

1. visually inspect bldgs
2. verify contents of containers that may be used for haz mat'l's - notif, manif, transp, storage, disp.
3. sample obvious potential sources w/in bldgs
4. clean, remove, isolate ↑
5. store + dispose ↑

- Demolition -

6. Insp, eval, sample, sfc + subfc. areas w/in appear to be site of disposal
7. if find haz mat'l's, cover area w/ impervious layer while demo underway
8. verify existence, location, size, content, if below-grade storage tanks
9. storage + disposal of ↑

- After demo -

10. take soil cores → extent + depth of contam.
11. devise + carry out plans for contam areas - storage + disposal plans
12. excavation of non-contam areas
13. residential area - visually map
14. PCB disp.
15. asbestos disp

what of grade
above grade?
tanks?

what of contam? →